

## TRAITE DE COOPERATION EN MATIERE DE BREVETS

PCT

Expéditeur: le BUREAU INTERNATIONAL

Destinataire:

United States Patent and Trademark  
Office  
(Box PCT)  
Crystal Plaza 2  
Washington, DC 20231  
ETATS-UNIS D'AMERIQUE

en sa qualité d'office élu

Date d'expédition (jour/mois/année)  
18 juillet 1997 (18.07.97)

Demande internationale no  
PCT/FR95/01338

Date du dépôt international  
12 octobre 1995 (12.10.95)

Déposant

NATHAN, Guy etc

Le Bureau international transmet ci-joint le nombre de copies indiqué ci-après des documents suivants:

copie de la traduction en langue anglaise du rapport d'examen préliminaire international (article 36.3(a))

RECE

MAY 26 1998

GRC

Bureau international de l'OMPI  
34, chemin des Colombettes  
1211 Genève 20, Suisse

no de télécopieur: (41-22) 740.14.35

Fonctionnaire autorisé

Jean-Marie McAdams

no de téléphone: (41-22) 338.83.38

## TRAITE DE COOPERATION EN MATIERE DE BREVETS

PCT

NOTIFICATION D'ELECTION  
(règle 61.2 du PCT)

Expéditeur: le BUREAU INTERNATIONAL

Destinataire:

United States Patent and Trademark  
Office  
(Box PCT)  
Washington D.C. 20231  
United States of America

en sa qualité d'office élu

Date d'expédition (jour/mois/année) 29 mai 1996 (29.05.96)	
Demande internationale no PCT/FR95/01338	Référence du dossier du déposant ou du mandataire TT07/PCT
Date du dépôt international (jour/mois/année) 12 octobre 1995 (12.10.95)	Date de priorité (jour/mois/année) 12 octobre 1994 (12.10.94)
Déposant NATHAN, Guy etc	

1. L'office désigné est avisé de son élection qui a été faite:

dans la demande d'examen préliminaire international présentée à l'administration chargée de l'examen préliminaire international le:

10 mai 1996 (10.05.96)

dans une déclaration visant une élection ultérieure déposée auprès du Bureau international le:

\_\_\_\_\_

2. L'élection  a été faite

n'a pas été faite

avant l'expiration d'un délai de 19 mois à compter de la date de priorité ou, lorsque la règle 32 s'applique, dans le délai visé à la règle 32.2b).

Bureau international de l'OMPI 34, chemin des Colombettes 1211 Genève 20, Suisse  no de télécopieur: (41-22) 740.14.35	Fonctionnaire autorisé  F. Gateau  no de téléphone: (41-22) 730.91.11
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**TRANSLATION**  
**PATENT COOPERATION TREATY**

**PCT**

**INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference <b>TT07/PCT</b>	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. <b>PCT/FR 95/01338</b>	International filing date (day/month/year) <b>12/10/1995</b>	Priority date (day/month/year) <b>12/10/1994</b>
International Patent Classification (IPC) or national classification and IPC  <b>G07F17/30</b>		
Applicant <b>NATHAN, Guy et al.</b>		

<ol style="list-style-type: none"> <li>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</li>   <li>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.             <input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).                       These annexes consist of a total of _____ sheets.         </li> </ol>	
<i>RECEIVED</i> <b>MAY 26 1996</b> <b>GROUP 2000</b>	
<ol style="list-style-type: none"> <li>3. This report contains indications relating to the following items:           <ul style="list-style-type: none"> <li>I <input checked="" type="checkbox"/> Basis of the report</li> <li>II <input type="checkbox"/> Priority</li> <li>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</li> <li>IV <input type="checkbox"/> Lack of unity of the invention</li> <li>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement</li> <li>VI <input type="checkbox"/> Certain documents cited</li> <li>VII <input type="checkbox"/> Certain defects in the international application</li> <li>VIII <input type="checkbox"/> Certain observations on the international application</li> </ul> </li> </ol>	

Date of submission of the demand <b>10/05/1996</b>	Date of completion of this report <b>16.01.97</b>
Name and mailing address of the IPEA/ EP	Authorized officer
Facsimile No.	Telephone No.

**INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

International application No.

PCT/FR95/1338

**I. Basis of the report**

1. This report has been drawn on the basis of (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.*):

 the international application as originally filed. the description, pages \_\_\_\_\_, as originally filed,  
pages \_\_\_\_\_, filed with the demand,  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_. the claims, Nos. \_\_\_\_\_, as originally filed,  
Nos. \_\_\_\_\_, as amended under Article 19,  
Nos. \_\_\_\_\_, filed with the demand,  
Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_. the drawings, sheets/fig \_\_\_\_\_, as originally filed,  
sheets/fig \_\_\_\_\_, filed with the demand,  
sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

2. The amendments have resulted in the cancellation of:

 the description, pages \_\_\_\_\_ the claims, Nos. \_\_\_\_\_ the drawings, sheets/fig \_\_\_\_\_

3.  This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/FR 95/01338**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims	1-10	YES
	Claims		NO
Inventive step (IS)	Claims	1-10	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-10	YES
	Claims		NO

**2. Citations and explanations**

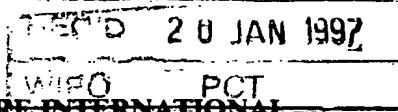
None of the cited documents mentions interactive selection means or billing means. Although the latter feature seems obvious in terms of inventive step, this is not the case for the first feature.

The subject matter of claim 1 is thus novel and involves an inventive step.

The same applies to the subject matter of claims 2-10.

## TRAITE DE COOPERATION EN MATIERE DE REVETS

PCT



## RAPPORT D'EXAMEN PRELIMINAIRE INTERNATIONAL

(article 36 et règle 70 du PCT)

Référence du dossier du déposant ou du mandataire TT07/PCT	<b>POUR SUITE A DONNER</b>		Voir la notification de transmission du rapport d'examen préliminaire international (formulaire PCT/IPEA/416)
Demande internationale n° PCT / FR 95 / 01338	Date du dépôt international (jour/mois/année) 12/10/1995	Date de priorité (jour/mois/année) 12/10/1994	
Classification internationale des brevets (CIB) ou classification nationale et CIB G07F17/30			
Déposant NATHAN, Guy et al.			

1. Le présent rapport d'examen préliminaire international, établi par l'administration chargée de l'examen préliminaire international, est transmis au déposant conformément à l'article 36.

2. Ce RAPPORT comprend 4 feilles, y comprise la présente feuille de couverture.

Il est accompagné d'ANNEXES, c'est-à-dire de feilles de la description, des revendications ou des dessins qui ont été modifiées et qui servent de base au présent rapport ou de feilles contenant des rectifications faites auprès de l'administration chargée de l'examen préliminaire international (voir la règle 70.16 et l'instruction 607 des Instructions administratives du PCT).

Ces annexes comprennent \_\_\_\_\_ feilles.

3. Le présent rapport contient des indications et les pages correspondantes relatives aux points suivants:

- I  Base du rapport
- II  Priorité
- III  Absence de formulation d'opinion quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle
- IV  Absence d'unité de l'invention
- V  Déclaration motivée selon l'article 35(2) quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle; citations et explications à l'appui de cette déclaration
- VI  Certains documents cités
- VII  Irrégularités dans la demande internationale
- VIII  Observations relatives à la demande internationale

Date de présentation de la demande d'examen préliminaire international 10/05/1996	Date d'achèvement du présent rapport 16. 01. 97
Nom et adresse postale de l'administration chargée de l'examen préliminaire international Office Européen des Brevets D-80298 Munich Tel. (+ 49-89) 2399-0, Tx: 523656 epmu d Fax: (+ 49-89) 2399-4465	Fonctionnaire autorisé  J.-C. Houillon N° de Téléphone (-49 89) 2399 - 2640

**RAPPORT D'EXAMEN PRELIMINAIRE INTERNATIONAL**

Demande internationale n°

PCT/FR95/01338

**I. Base du rapport**

1. Le présent rapport a été rédigé sur la base des éléments ci-après (Les feuilles de remplacement qui ont été remises à l'office récepteur en réponse à une invitation faite conformément à l'article 14 sont considérées dans le présent rapport comme "initialement déposées" et ne sont pas jointes en annexe au rapport puisqu'elles ne contiennent pas de modifications.):

de la demande internationale telle qu'initialement déposée.

[ ] de la description, pages \_\_\_\_\_, telles qu'initialement déposées,  
pages \_\_\_\_\_, déposées avec la demande d'examen préliminaire international,

pages \_\_\_\_\_, déposées sous couvert d'une lettre  
du \_\_\_\_\_,

pages \_\_\_\_\_, déposées sous couvert d'une lettre  
du \_\_\_\_\_,

[ ] des revendications, nos. \_\_\_\_\_, telles qu'initialement déposées,  
nos. \_\_\_\_\_, telles que modifiées en vertu de  
l'article 19,

nos. \_\_\_\_\_, déposées avec la demande d'examen préliminaire international,

nos. \_\_\_\_\_, déposées sous couvert d'une lettre  
du \_\_\_\_\_,

nos. \_\_\_\_\_, déposées sous couvert d'une lettre  
du \_\_\_\_\_,

[ ] des dessins, feuilles/fig \_\_\_\_\_, telles qu'initialement déposées,  
feuilles/fig \_\_\_\_\_, déposées avec la demande d'examen préliminaire international,

feuilles/fig \_\_\_\_\_, déposées sous couvert d'une lettre  
du \_\_\_\_\_,

feuilles/fig \_\_\_\_\_, déposées sous couvert d'une lettre  
du \_\_\_\_\_,

**2. Les modifications ont entraîné l'annulation**

[ ] de la description, pages \_\_\_\_\_.

V. Déclaration motivée selon l'article 35.2) quant à la nouveauté, l'activité inventive et la possibilité d'application industrielle; citations et explications à l'appui de cette déclaration

## 1. DECLARATION

Nouveauté	Revendications 1-10 _____	OUI
	Revendications _____	NON
Activité inventive	Revendications 1-10 _____	OUI
	Revendications _____	NON
Possibilité d'application industrielle	Revendications 1-10 _____	OUI
	Revendications _____	NON

## 2. CITATIONS ET EXPLICATIONS

Aucun des documents cités ne mentionne de moyens interactifs de sélection ou de moyens de facturation. Quoique cette dernière caractéristique semble, du point de vue activité inventive, couler de source, ce n'est pas le cas de la première caractéristique. L'objet de la revendication 1 est donc nouveau et implique de l'activité inventive. Il en est de même pour l'objet des revendications 2-10.

**RAPPORT D'EXAMEN PRELIMINAIRE INTERNATIONAL**

Demande internationale n°

PCT/FR95/01338

[ ] des revendications, nos. \_\_\_\_\_.

[ ] des dessins, feuilles/fig. \_\_\_\_\_.

3. [ ] Le présent rapport a été formulé abstraction faite (de certaines) des modifications, qui ont été considérées comme allant au-delà de l'exposé de l'invention tel qu'il a été déposé (règle 70.2.c)).

4. Observations complémentaires, le cas échéant:

## INTERNATIONAL SEARCH REPORT

International Application No  
PL/FR 95/01334

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 G07F17/30 G11B27/00

871-32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 6 G07F G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO,A,93 18465 (ARACHNID) 16 September 1993 cited in the application see abstract; claims 1-15; figures 1-4B see page 10, line 12 - page 12, line 7 ---	1,4
A	US,A,5 166 886 (C.E. MOLNAR) 24 November 1992 see abstract; claims 1-22; figures 1-3 see column 2, line 61 - column 10, line 43 ---	1-4
A	DE,A,38 20 835 (U. BLUM-BURKHARDT) 12 January 1989 see the whole document -----	1-4

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*'A' document defining the general state of the art which is not considered to be of particular relevance
- \*'E' earlier document but published on or after the international filing date
- \*'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*'O' document referring to an oral disclosure, use, exhibition or other means
- \*'P' document published prior to the international filing date but later than the priority date claimed

- \*'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*'&' document member of the same patent family

3

Date of the actual completion of the international search

16 February 1996

Date of mailing of the international search report

26.02.96

## Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.  
Fax (+31-70) 340-3016

## Authorized officer

David, J

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR 95/01334

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO-A-9318465	16-09-93	US-A- 5355302 CA-A- 2131375 EP-A- 0630501 JP-T- 7504517	11-10-94 16-09-93 28-12-94 18-05-95
US-A-5166886	24-11-92	NONE	
DE-A-3820835	12-01-89	NONE	

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR 95/01338

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 G07F17/30 G11B27/00

871-36

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 6 G07F G11B H04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO,A,90 07843 (R. LANG) 12 July 1990 see abstract; claims 1-85; figures 1-5 ---	1,5,10
A	EP,A,0 082 077 (J. GREMILLET) 22 June 1983 see abstract; claims 1-9; figure 1 ---	1,2,5,10
A	DE,A,38 20 835 (U. BLUM-BURKHARDT) 12 January 1989 -----	



Further documents are listed in the continuation of box C.



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- \*'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Name and mailing address of the ISA

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 Fax (+ 31-70) 340-3016

Authorized officer

David, J

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR 95/01338

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO-A-9007843	12-07-90	US-A-	4963995	16-10-90
		US-A-	5057932	15-10-91
		AU-B-	662183	24-08-95
		AU-B-	2978592	11-02-93
		AU-B-	627841	03-09-92
		AU-B-	5039990	01-08-90
		CA-A-	2006715	27-06-90
		EP-A-	0407561	16-01-91
		US-A-	5164839	17-11-92
<hr/>				
EP-A-0082077	22-06-83	FR-A-	2518345	17-06-83
		JP-A-	58116823	12-07-83
		US-A-	4499568	12-02-85
<hr/>				
DE-A-3820835	12-01-89	NONE		
<hr/>				

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/FR 95/01336

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 G07F17/30 G11B27/00

871-34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 6 G07F G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US,A,4 949 187 (J.M. COHEN) 14 August 1990 see the whole document ---	1,5
A	FR,A,2 602 352 (B. KEMPF) 5 February 1988 see the whole document ---	1-3
A,P	EP,A,0 631 283 (BROTHER KOGYO) 28 December 1994 see column 6, line 46 - column 8, line 5; figure 2 ---	1
A	US,A,4 920 432 (D.C. EGGERS) 24 April 1990 ---	
A	DE,A,38 20 835 (U. BLUM-BURKHARDT) 12 January 1989 -----	



Further documents are listed in the continuation of box C.



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\*Z\* document member of the same patent family

1

Date of the actual completion of the international search

15 February 1996

Date of mailing of the international search report

25.02 96

Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentaan 2  
NL - 2280 HV Rijswijk  
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Fax: (+ 31-70) 340-3016

Authorized officer

David, J

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR 95/01336

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US-A-4949187	14-08-90	NONE	
FR-A-2602352	05-02-88	NONE	
EP-A-0631283	28-12-94	JP-A- 7013576 JP-A- 7212696 JP-A- 7219566 EP-A- 0665550	17-01-95 11-08-95 18-08-95 02-08-95
US-A-4920432	24-04-90	NONE	
DE-A-3820835	12-01-89	NONE	

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/FR 95/01337

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 G07F17/30 G11B27/00

871 - 35

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 6 G07F G11B H04H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO,A,93 18465 (ARACHNID) 16 September 1993 see the whole document ---	1,3,8
A	EP,A,0 283 350 (ETAT FRANCAIS) 21 September 1988 ---	
A	WO,A,94 03894 (E-SYSTEMS) 17 February 1994 -----	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*'O' document referring to an oral disclosure, use, exhibition or other means
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\*'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*'&' document member of the same patent family

Date of the actual completion of the international search

16 February 1996

Date of mailing of the international search report

26.02 96

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Fax: (+ 31-70) 340-3016

Authorized officer

David, J

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR 95/01337

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO-A-9318465	16-09-93	US-A-	5355302	11-10-94
		CA-A-	2131375	16-09-93
		EP-A-	0630501	28-12-94
		JP-T-	7504517	18-05-95
EP-A-0283350	21-09-88	FR-A-	2611942	09-09-88
		DE-A-	3877389	25-02-93
		JP-A-	63296543	02-12-88
		US-A-	4956768	11-09-90
WO-A-9403894	17-02-94	AU-B-	4801893	03-03-94

## INTERNATIONAL SEARCH REPORT

Internal Application No

PCT/FR 94/01185

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 6 G07F17/30

871-30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 G07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO,A,93 18465 (ARACHNID) 16 September 1993	1,2
A	see the whole document ---	4-6
A	GB,A,2 122 799 (V I LEISURE) 18 January 1984 see abstract ---	1,3
A	WO,A,91 20082 (ARACHNID) 26 December 1991 ---	
A	GB,A,2 193 420 (PETYARD) 3 February 1988 -----	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## Special categories of cited documents :

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Date of the actual completion of the international search

26 June 1995

Date of mailing of the international search report

14.07.95

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

David, J

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO-A-9318465	16-09-93	US-A-	5355302	11-10-94
		CA-A-	2131375	16-09-93
		EP-A-	0630501	28-12-94
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GB-A-2193420	03-02-88	NONE		